

Claims

1. Belt and tread drum, particularly for shaping a belt layer and/or tread layer or another tyre component provided with metal parts into a circumferential whole, comprising one or more support members arranged at the circumference of the drum, which are provided with a support surface for the tyre component, wherein the support members comprise magnet sets having magnets for by magnetically attracting the metal parts retaining the tyre component on the support surface, wherein the magnet sets comprise holders for the magnets and are placed from the radial inside in the support members, wherein the drum at the circumferential side comprises first portions that engage over the holders in tangential and/or axial direction of the drum, wherein the drum at the circumferential side comprises second portions that engage over the magnets in tangential and/or axial direction of the drum.
- 15 2. Belt and tread drum according to claim 1, wherein the first portions of the drum are part of the support surfaces.
3. Belt and tread drum according to claim 2, wherein the second portions of the drum are part of the support surfaces.
- 20 4. Belt and tread drum according to claim 3, wherein the support surfaces extend over the entire surface of the magnets.

5. Belt and tread drum according to claim 1, 2 or 3, wherein the magnets are part of the support surfaces.
5. 6. Belt and tread drum according to any one of the preceding claims, wherein the support surfaces are formed as one unity with the support members.
7. Belt and tread drum according to any one of the preceding claims, wherein the second portions of the drum are formed by the holders.
10. 8. Belt and tread drum according to any one of the preceding claims, wherein the first and/or second portions of the drum form inclined wedge planes, that cooperate with complementary wedge planes that are formed on the magnet holders and/or magnets, respectively.
15. 9. Belt and tread drum, according to any one of the preceding claims, wherein the holders are tray-shaped.
10. Belt or tread drum according to any one of the preceding claims, wherein the holders are manufactured of steel.
20. 11. Belt or tread drum, particularly for shaping a belt layer and/or tread layer or another tyre component provided with metal parts into a circumferential whole, comprising one or more support members arranged at the circumference of the drum, which are provided with a support surface for the tyre component, wherein the support members are provided with magnet sets having magnets for by magnetically attracting the metal parts retaining the tyre component on the support surface and with holders for the magnets, wherein the drum at the outer side comprises confining portions that form a unity with the support members, which confining portions confine the magnets and/or the holders in radial outward direction of the drum.
30. 12. Belt and tread drum according to claim 11, wherein the holders

themselves form confining portions that engage over the magnets in tangential and/or axial direction of the drum.

13. Belt and tread drum according to claim 11 or 12, wherein the confining portions are formed by wedge planes that cooperate with wedge planes on the magnets and/or the holders.

14. Belt and tread drum according to any one of the preceding claims, wherein the support surfaces at the location of the magnets are provided with a marking.

15. Belt and tread drum provided with one or more of the characterising measures described in the attached description and/or shown in the attached drawings.

16. Support member intended and suitable for use in a belt and tread drum according to any one of the preceding claims.

17. Belt and tread drum, particularly for shaping a belt layer and/or tread layer or another tyre component provided with metal parts into a circumferential whole, comprising one or more support members arranged at the circumference of the drum, which are provided with a support surface for the tyre component, wherein magnets are accommodated in the support members for by magnetically attracting the metal parts retaining the tyre component on the support surface, wherein the support members comprise portions that are formed as one unity with it that engage over the magnets in tangential and/or axial direction of the drum.

18. Belt and tread drum according to claim 17, wherein the magnets are accommodated in -preferably tray-shaped- holders that are placed from the radial inside in the support members, wherein the support members at the circumferential side comprise portions that engage over the holders and/or

over the magnets in tangential and/or axial direction of the drum.

19. Belt and tread drum according to claim 17 or 18, wherein the said portions are also part of the support surfaces.